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SEQUENCE LISTING

<110> ISIS INNOVATION LIMITED

<120> ASSAYS

<130> N.91505B

<150> GB 0406914.2

<151> 2004-03-26

<150> GB 0425760.6

<151> 2004-11-2

<160> 23

<170> PatentIn version 3.0

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<211> 21

<212> PRT

<213> Homo sapiens

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Tyr Leu Gly Ile Val Glu Leu Leu Val Ser Leu Gly Ala Asp Val Asn
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Ala Gln Glu Pro Cys
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Ser Leu Pro Cys Leu Leu Leu Leu Val Ala Ala Gly Ala Asp Val Asn
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Ala Gln Glu Gln Lys
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Asn Ala Leu Val Thr Lys Leu Leu Leu Asp Cys Gly Ala Glu Val Asn
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Ala Val Asp Asn Glu

- 2 -

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Val Ala Ala Gly Ala Asp Val Asn Ala Gln Glu
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gcctccacca gcactgcgac tgtaccccca ga

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<213> Homo sapiens

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Met	Ala	Ala	Thr	Ala	Ala	Glu	Ala	Val	Ala	Ser	Gly	Ser	Gly	Glu	Pro
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Arg	Glu	Glu	Ala	Gly	Ala	Leu	Gly	Pro	Ala	Trp	Asp	Glu	Ser	Gln	Leu
			20					25					30		

Arg	Ser	Tyr	Ser	Phe	Pro	Thr	Arg	Pro	Ile	Pro	Arg	Leu	Ser	Gln	Ser
		35					40					45			

Asp	Pro	Arg	Ala	Glu	Glu	Leu	Ile	Glu	Asn	Glu	Glu	Pro	Val	Val	Leu
	50					55					60				

Thr	Asp	Thr	Asn	Leu	Val	Tyr	Pro	Ala	Leu	Lys	Trp	Asp	Leu	Glu	Tyr
65				70						75					80

Leu	Gln	Glu	Asn	Ile	Gly	Asn	Gly	Asp	Phe	Ser	Val	Tyr	Ser	Ala	Ser
			85						90					95	

Thr	His	Lys	Phe	Leu	Tyr	Tyr	Asp	Glu	Lys	Lys	Met	Ala	Asn	Phe	Gln
			100					105						110	

Asn	Phe	Lys	Pro	Arg	Ser	Asn	Arg	Glu	Glu	Met	Lys	Phe	His	Glu	Phe
		115						120						125	

Val	Glu	Lys	Leu	Gln	Asp	Ile	Gln	Gln	Arg	Gly	Gly	Glu	Glu	Arg	Leu
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Tyr	Leu	Gln	Gln	Thr	Leu	Asn	Asp	Thr	Val	Gly	Arg	Lys	Ile	Val	Met
145					150					155					160

Asp	Phe	Leu	Gly	Phe	Asn	Trp	Asn	Trp	Ile	Asn	Lys	Gln	Gln	Gly	Lys
				165					170						175

Arg	Gly	Trp	Gly	Gln	Leu	Thr	Ser	Asn	Leu	Leu	Leu	Ile	Gly	Met	Glu
			180					185						190	

Gly	Asn	Val	Thr	Pro	Ala	His	Tyr	Asp	Glu	Gln	Gln	Asn	Phe	Phe	Ala
		195						200						205	

Gln	Ile	Lys	Gly	Tyr	Lys	Arg	Cys	Ile	Leu	Phe	Pro	Pro	Asp	Gln	Phe
	210						215					220			

Glu	Cys	Leu	Tyr	Pro	Tyr	Pro	Val	His	His	Pro	Cys	Asp	Arg	Gln	Ser
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Gln	Val	Asp	Phe	Asp	Asn	Pro	Asp	Tyr	Glu	Arg	Phe	Pro	Asn	Phe	Gln
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Asn Val Val Gly Tyr Glu Thr Val Val Gly Pro Gly Asp Val Leu Tyr
 260 265 270

Ile Pro Met Tyr Trp Trp His His Ile Glu Ser Leu Leu Asn Gly Gly
 275 280 285

Ile Thr Ile Thr Val Asn Phe Trp Tyr Lys Gly Ala Pro Thr Pro Lys
 290 295 300

Arg Ile Glu Tyr Pro Leu Lys Ala His Gln Lys Val Ala Ile Met Arg
 305 310 315 320

Asn Ile Glu Lys Met Leu Gly Glu Ala Leu Gly Asn Pro Gln Glu Val
 325 330 335

Gly Pro Leu Leu Asn Thr Met Ile Lys Gly Arg Tyr Asn
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<400> 11

Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys Glu Val Asn
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Ala Pro Ile

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Ser Leu Ser Met Val Gln Leu Leu Leu Gln His Gly Ala Asn Val Asn
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Ala Gln Met Tyr
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Phe Leu Asp Thr Leu Lys Val Leu Val Glu His Gly Ala Asp Val Asn
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Val Pro Asp Gly
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His Ala Ser Ile Val Glu Val Leu Leu Lys His Gly Ala Asp Val Asn
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Ala Lys Asp Met
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Asn Leu Glu Val Ala Glu Tyr Leu Leu Glu His Gly Ala Asp Val Asn
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Ala Gln Asp Lys
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Val Glu Val Leu Lys Ile Leu Leu Asp Glu Met Gly Ala Asp Val Asn
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Ala Cys Asp Asn
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<400> 17

Arg Asp Glu Ile Val Lys Ala Leu Leu Gly Lys Gly Ala Gln Val Asn
 1 5 10 15

- 6 -

Ala Val Asn Gln
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Gln Leu Glu Ile Leu Glu Phe Leu Leu Leu Lys Gly Ala Asp Ile Asn
1 5 10 15

Ala Pro Asp Lys
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Tyr Thr Glu Val Leu Lys Leu Leu Ile Gln Ala Gly Tyr Asp Val Asn
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Ile Lys Asp Tyr
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Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala Asp Ile Asn
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Ala Gln Thr Lys
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Thr Ala Val Gln Asp Glu Asn Gly Asp Ser Val Leu His Leu Ala Ile

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Ile His Leu His Ser Gln Leu Val Arg Asp Leu Leu Glu Val Thr Ser

20 25 30

Gly Leu Ile Ser Asp Asp Ile Ile Asn Met Arg Asn Asp Leu Tyr Gln

35 40 45

Thr Pro Leu His Leu Ala Val Ile Thr Lys Gln Glu Asp Val Val Glu

50 55 60

Asp Leu Leu Arg Ala Gly Ala Asp Leu Ser Leu Leu Asp Arg Leu Gly

65 70 75 80

Asn Ser Val Leu His Leu Ala Ala Lys Glu Gly His Asp Lys Val Leu

85 90 95

Ser Ile Leu Leu Lys His Lys Lys Ala Ala Leu Leu Leu Asp His Pro

100 105 110

Asn Gly Asp Gly Leu Asn Ala Ile His Leu Ala Met Met Ser Asn Ser

115 120 125

Leu Pro Cys Leu Leu Leu Leu Val Ala Ala Gly Ala Asp Val Asn Ala

130 135 140

Gln Glu Gln Lys Ser Gly Arg Thr Ala Leu His Leu Ala Val Glu His

145 150 155 160

Asp Asn Ile Ser Leu Ala Gly Cys Leu Leu Leu Glu Gly Asp Ala His

165 170 175

Val Asp Ser Thr Thr Tyr Asp Gly Thr Thr Pro Leu His Ile Ala Ala

180 185 190

- 8 -

Gly Arg Gly Ser Thr Arg Leu Ala Ala Leu Leu Lys Ala Ala Gly Ala
 195 200 205
 Asp Pro Leu Val Glu Asn Phe Glu Pro Leu Tyr Asp Leu Asp Asp Ser
 210 215 220
 Trp Glu Asn Ala Gly Glu Asp Glu Gly Val Val Pro Gly Thr Thr Pro
 225 230 235 240
 Leu Asp Met Ala Thr Ser Trp Gln Val Phe Asp Ile Leu Asn Gly Lys
 245 250 255
 Pro Tyr Glu Pro Glu Phe Thr Ser Asp Asp Leu Leu Ala Gln Gly Asp
 260 265 270
 Met

<210> 23
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<400> 23

Cys Gly Ala Asp Val Asn Arg
 1 . 5